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62573

From: Spector, Lorraine  
Sent: Friday, March 15, 2002 2:29 PM  
To: STIC-Biotech/ChemLib  
Subject: 09/726348

Please search the following,  
pending, issued and commercial:  
SEQ ID NO:2: Residues 1-229, 1-177, 126-177 and a word search for 30 contig. AA.

SEQ ID NO 1: nucleotides 5-691

Lorraine Spector  
Primary Examiner  
Art Unit 1647  
CM1-10B11  
(703)308-1793

Edward Hart  
Technical Info. Specialist  
STIC/Biotech  
CMI 6B02 Tel: 305-9203

(STIC)

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MAR 18 2002

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: 3/26/02  
Date Completed: 3/28/02  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: 3  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST(where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: 01 3/27  
Sequence Sys.: 0X  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_



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Display

1: R68940. yi43f01.r1 Soares...[gi:842457]

Taxonomy, LinkOut

LOCUS R68940 403 bp mRNA linear EST 01-JUN-1995  
DEFINITION yi43f01.r1 Soares placenta Nb2HP Homo sapiens cDNA clone  
IMAGE:142009 5', mRNA sequence.  
ACCESSION R68940  
VERSION R68940.1 GI:842457  
KEYWORDS EST.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 403)  
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman  
,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,  
Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston  
,R., Williamson,A., Wohldmann,P. and Wilson,R.  
TITLE The WashU-Merck EST Project  
JOURNAL Unpublished (1995)  
COMMENT Contact: Wilson RK  
Washington University School of Medicine  
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)  
Insert Size: 644  
High quality sequence stops: 346  
Source: IMAGE Consortium, LLNL  
This clone is available royalty-free through LLNL ; contact the  
IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
Insert Length: 644 Std Error: 0.00  
Seq primer: M13RP1  
High quality sequence stop: 346.  
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source  
Location/Qualifiers  
1..403  
/organism="Homo sapiens"  
/db\_xref="GDB:550756"  
/db\_xref="taxon:9606"  
/clone="IMAGE:142009"  
/clone\_lib="Soares placenta Nb2HP"  
/sex="Female"  
/dev\_stage="placenta obtained at birth (full term)"  
/lab\_host="DH10B (ampicillin resistant)"  
/note="Organ: placenta; Vector: pT7T3D (Pharmacia) with a  
modified polylinker; Site\_1: Not I; Site\_2: Eco RI; 1st  
strand cDNA was primed with a Not I - oligo(dT) primer [5'  
AACTGGAAGAATTCGCGGCCGAGGAATTTTTTTTTTTTTTTTTT 3'],  
double-stranded cDNA was ligated to Eco RI adaptors  
(Pharmacia), digested with Not I and cloned into the Not I  
and Eco RI sites of the modified pT7T3 vector. Library  
went through one round of normalization. Library

constructed by Bento Soares and M.Fatima Bonaldo. "

BASE COUNT	100	a	99	c	89	g	114	t	1	others
------------	-----	---	----	---	----	---	-----	---	---	--------

ORIGIN

```
1 ctccagactc tgatactgcc acaacatgtc aactgtcctg gaggaattaa tgcctggaat
61 actatcacct cttatataga caaccaaadc tgtcaagggc aaaagaacct ttgcaataac
121 actggggacc cagaaatgtg tcctgagaat ggatcttgtg tacctgatgg tccaggtctt
181 ttgcagtgtg tttgtgctga tggtttccat ggatacaagt gtatgcgcca gggctcgttc
241 tcaactgctta tgttcttcgg gattctggga gccaccactc tatccgtctc cattctgctt
301 tgggcgaccc agcgccgaaa agccaagact ttcatgaact acataggtct taccattgac
361 cttaagatcc aatctngaac ttatttttag gcccagtcag ggg
```

//

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1: H02975.yj46h06.r1 Soares...[gi:865908]

[Taxonomy](#), [LinkOut](#)

LOCUS H02975 462 bp mRNA linear EST 20-JUN-1995  
DEFINITION yj46h06.r1 Soares placenta Nb2HP Homo sapiens cDNA clone  
IMAGE:151835 5', mRNA sequence.  
ACCESSION H02975  
VERSION H02975.1 GI:865908  
KEYWORDS EST.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 462)  
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman  
,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,  
Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston  
,R., Williamson,A., Wohldmann,P. and Wilson,R.  
TITLE The WashU-Merck EST Project  
JOURNAL Unpublished (1995)  
COMMENT Contact: Wilson RK  
Washington University School of Medicine  
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)  
Insert Size: 634  
High quality sequence stops: 349  
Source: IMAGE Consortium, LLNL  
This clone is available royalty-free through LLNL ; contact the  
IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
Insert Length: 634 Std Error: 0.00  
Seq primer: M13RP1  
High quality sequence stop: 349.  
FEATURES  
source  
1..462  
/organism="Homo sapiens"  
/db\_xref="GDB:563976"  
/db\_xref="taxon:9606"  
/clone="IMAGE:151835"  
/clone\_lib="Soares placenta Nb2HP"  
/sex="Female"  
/dev\_stage="placenta obtained at birth (full term)"  
/lab\_host="DH10B (ampicillin resistant)"  
/note="Organ: placenta; Vector: pT7T3D (Pharmacia) with a  
modified polylinker; Site\_1: Not I; Site\_2: Eco RI; 1st  
strand cDNA was primed with a Not I - oligo(dT) primer [5'  
AACTGGAAGAAATTCGCGCCGAGGAATTTTTTTTTTTTTTTT 3'],  
double-stranded cDNA was ligated to Eco RI adaptors  
(Pharmacia), digested with Not I and cloned into the Not I  
and Eco RI sites of the modified pT7T3 vector. Library  
went through one round of normalization. Library

constructed by Bento Soares and M.Fatima Bonaldo. "

BASE COUNT      111 a      111 c      110 g      128 t      2 others

ORIGIN

```

1 gactctgata ctgccacaac atgtcaactg tcctggagga attaatgcct ggaatactat
61 cacctcttat atagacaacc aaatctgtca agggcaaaag aacctttgca ataacactgg
121 ggacccagaa atgtgtcctg agaatggatc ttgtgtacct gatgggccag gtcttttgca
181 gtgtgtttgt gctgatggtt tccatggata caagtgtatg cgccagggct cgttctcact
241 gcttatgttc ttcgggattc tgggagccac cactctatcc gtctccattc tgctttgggc
301 gacccagcgc cgaaaagcca agacttcatg aactacatag gtcttaccat tgacctaaga
361 tcaatctgga actatcttag gccagttag ggagcttgct tcctaggaaa gggcnctttt
421 cgccagtggg atttcgnctc aagggtgaag gccgccattt gg

```

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1: H71660. ys10h09.r1 Soares...[gi:1043476]

PubMed, Taxonomy, LinkOut

LOCUS H71660 497 bp mRNA linear EST 26-OCT-1995  
 DEFINITION ys10h09.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone  
 IMAGE:214433 5', mRNA sequence.  
 ACCESSION H71660  
 VERSION H71660.1 GI:1043476  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 497)  
 AUTHORS Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B.,  
 Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Hawkins  
 ,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N., Mardis,E., Moore  
 ,B., Morris,M., Parsons,J., Prange,C., Rifkin,L., Rohlfing,T.,  
 Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Trevaskis,E.,  
 Underwood,K., Wohldmann,P., Waterston,R., Wilson,R. and Marra,M.  
 TITLE Generation and analysis of 280,000 human expressed sequence tags  
 JOURNAL Genome Res. 6 (9), 807-828 (1996)  
 MEDLINE 97044478  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)  
 Insert Size: 597  
 High quality sequence stops: 379  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
 Insert Length: 597 Std Error: 0.00  
 Seq primer: M13RP1  
 High quality sequence stop: 379.  
 FEATURES  
 source Location/Qualifiers  
 1..497  
 /organism="Homo sapiens"  
 /db\_xref="taxon:9606"  
 /clone="IMAGE:214433"  
 /clone\_lib="Soares fetal liver spleen 1NFLS"  
 /sex="male"  
 /dev\_stage="20 week-post conception fetus"  
 /lab\_host="DH10B (ampicillin resistant)"  
 /note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)  
 with a modified polylinker; Site\_1: Pac I; Site\_2: Eco RI;  
 1st strand cDNA was primed with a Pac I - oligo(dT) primer  
 [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTTTT 3'],  
 double-stranded cDNA was ligated to Eco RI adaptors  
 (Pharmacia), digested with Pac I and cloned into the Pac I

and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo."

```
BASE COUNT      121 a      119 c      117 g      138 t      2 others
ORIGIN
    1 attcggcaca ggtcaactgt cctggaggaa ttaatgcctg gaatactatc acctcttata
   61 tagacaacca aatctgtcaa gggcaaaaga acctttgcaa taacactggg gaccagaaa
  121 tgtgtcctga gaatggatct tgtgtacctg atgggtccagg tcttttgagc tgtgtttgtg
  181 ctgatggttt ccatggatac aagtgtatgc gccagggctc gttctcactg cttatgttct
  241 tcgggattct gggagccacc actctatccg tctccattct gctttgggag acccagcgcc
  301 gaaaagccaa gacttcatga actacatagg tcttaccatt gacctaatga caatctgaac
  361 tatcttagcc cagtcaggga gctctgcttc ctaggaaagg catctttcgc cagtgggatt
  421 cgcctcaagg ttgaggccgc cattgggaag atgaaaattg cattccttgg tgtagacaat
  481 accagttccc ttingttt
```

//

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1: T52870. ya81d11.r1 Strata...[gi:654730]

PubMed, Taxonomy, LinkOut

LOCUS T52870 382 bp mRNA linear EST 06-FEB-1995

DEFINITION ya81d11.r1 Stratagene ovary (#937217) Homo sapiens cDNA clone  
IMAGE:68085 5', mRNA sequence.

ACCESSION T52870

VERSION T52870.1 GI:654730

KEYWORDS EST.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 382)

AUTHORS Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B.,  
Chisoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hawkins,  
M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Mardis, E., Moore,  
B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T.,  
Schellenberg, K., Soares, M.B., Tan, F., Thierry-Mieg, J., Trevaskis, E.,  
Underwood, K., Wohldmann, P., Waterston, R., Wilson, R. and Marra, M.

TITLE Generation and analysis of 280,000 human expressed sequence tags

JOURNAL Genome Res. 6 (9), 807-828 (1996)

MEDLINE 97044478

COMMENT Other ESTs: ya81d11.s1

Contact: Wilson RK

Washington University School of Medicine

4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108

Tel: 314 286 1800

Fax: 314 286 1810

Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

Insert Size: 558

High quality sequence stops: 282 Source: IMAGE Consortium, LLNL This  
clone is available royalty-free through LLNL ; contact the IMAGE  
Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

Insert Length: 558 Std Error: 0.00

Seq primer: M13RP1

High quality sequence stop: 282.

FEATURES

source

Location/Qualifiers

1..382

/organism="Homo sapiens"

/db\_xref="GDB:504342"

/db\_xref="taxon:9606"

/clone="IMAGE:68085"

/clone\_lib="Stratagene ovary (#937217)"

/sex="female"

/dev\_stage="49 year old"

/lab\_host="SOLR cells (kanamycin resistant)"

/note="Organ: ovary; Vector: Bluescript SK; Site 1: EcoRI;

Site 2: XhoI; Cloned unidirectionally. Primer: Oligo dT.

Total ovary tissue, normal, caucasian. Average insert

size: 0.8 kb; Uni-ZAP XR Vector; ~5' adaptor sequence: 5'

GAATTCGGCACGAG 3' ~3' adaptor sequence: 5'



```

CTCGAGTTTTTTTTTTTTTTTTTTT 3'"
BASE COUNT      89 a      88 c      87 g      115 t      3 others
ORIGIN
   1 gaattaatgc ctggaatact atcacctctt atatagacaa ccaaactctgt caagggcaaa
  61 agaacccttg caataacact ggggacccag aaatgtgtcc tgagaatgga tcttgtgtac
 121 ctgatgggcc aggtcttttg cagtgtgttt gtgctgatgg ttccatgga tacaagtga
 181 tgcgccaggg gtcgttctc actgcttatg ttcttcggga ttctgggagc caccactcta
 241 tccgtctcca ttctgctttg ggcgacccag cgccgnaaaa gccaggact ttcattgaac
 301 ttacataggg tctttaccat ttgaccttaa gatccantct ggaactatct ttagcccagt
 361 tcaggggagc tcttgntttt tt
//

```

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1: H87685.yw15f01.r1 Soares...[gi:1069264]

[Taxonomy](#), [LinkOut](#)

LOCUS H87685 354 bp mRNA linear EST 21-NOV-1995  
DEFINITION yw15f01.r1 Soares\_placenta\_8to9weeks\_2NbHP8to9W Homo sapiens cDNA  
clone IMAGE:252313 5', mRNA sequence.  
ACCESSION H87685  
VERSION H87685.1 GI:1069264  
KEYWORDS EST.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 354)  
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman  
,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,  
Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston  
,R., Williamson,A., Wohldmann,P. and Wilson,R.  
TITLE The WashU-Merck EST Project  
JOURNAL Unpublished (1995)  
COMMENT Contact: Wilson RK  
Washington University School of Medicine  
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)  
High quality sequence stops: 333  
Source: IMAGE Consortium, LLNL  
This clone is available royalty-free through LLNL ; contact the  
IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
Insert Length: 1015 Std Error: 0.00  
Seq primer: M13RP1  
High quality sequence stop: 333.  
FEATURES  
source Location/Qualifiers  
1..354  
/organism="Homo sapiens"  
/db\_xref="GDB:3885379"  
/db\_xref="taxon:9606"  
/clone="IMAGE:252313"  
/clone\_lib="Soares\_placenta\_8to9weeks\_2NbHP8to9W"  
/dev\_stage="two placentae: one from 8 weeks and another  
from 9 weeks post conception"  
/lab\_host="DH10B (ampicillin resistant)"  
/note="Organ: placenta; Vector: pT7T3D (Pharmacia) with a  
modified polylinker; Site 1: Not I; Site 2: Eco RI; 1st  
strand cDNA was primed with a Not I - oligo(dT) primer [5'  
TGTTACCAATCTGAAGTGGGAGCGGCCGCGATTATTTTTTTTTTTTTTTTTTTT 3'],  
double-stranded cDNA was size selected, ligated to Eco RI  
adapters (Pharmacia), digested with Not I and cloned into  
the Not I and Eco RI sites of a modified pT7T3 vector  
(Pharmacia). Library constructed by Bento Soares and  
M.Fatima Bonaldo."

BASE COUNT	84	a	102	c	93	g	72	t	3	others
ORIGIN										
1	attcggcaca	gggagcacca	agggaaacgga	aaatggcgcc	tcacgacccg	ggtacntctt				
61	acgaccctgg	tgccctgggc	tgccgcctgg	ctcctcgctc	tgncgtggaa	agggctctgg				
121	cgctaccgga	gatatgcacc	naatgtccag	ggagcgtgca	aaatttgta	aaagtggcct				
181	tttattgtaa	aacgacacga	gagctaata	tgcatgccc	ttgctgcctg	aatcagaagg				
241	gcaccatctt	ggggctggat	ctccagaact	gttctctgga	ggaccctggt	ccaaactttc				
301	atcaggcaca	taccactgtc	atcatagacc	tgcaagcaaa	ccccctcaaa	ggtg				

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1: T39215. ya02c08.r2 Strata...[gi:646975]

PubMed, Taxonomy, LinkOut

LOCUS T39215 248 bp mRNA linear EST 27-JAN-1995  
 DEFINITION ya02c08.r2 Stratagene lung (#937210) Homo sapiens cDNA clone  
 IMAGE:60302 5', mRNA sequence.  
 ACCESSION T39215  
 VERSION T39215.1 GI:646975  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 248)  
 AUTHORS Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B.,  
 Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Hawkins  
 ,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N., Mardis,E., Moore  
 ,B., Morris,M., Parsons,J., Prange,C., Rifkin,L., Rohlfing,T.,  
 Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Trevaskis,E.,  
 Underwood,K., Wohldmann,P., Waterston,R., Wilson,R. and Marra,M.  
 TITLE Generation and analysis of 280,000 human expressed sequence tags  
 JOURNAL Genome Res. 6 (9), 807-828 (1996)  
 MEDLINE 97044478  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
 Seq primer: M13RP1.  
 FEATURES  
 source Location/Qualifiers  
 1..248  
 /organism="Homo sapiens"  
 /db\_xref="taxon:9606"  
 /clone="IMAGE:60302"  
 /clone\_lib="Stratagene lung (#937210)"  
 /sex="male"  
 /dev\_stage="72 years"  
 /lab\_host="SOLR cells (kanamycin resistant)"  
 /note="Organ: lung; Vector: pBluescript SK-; Site\_1: EcoRI  
 ; Site\_2: XhoI; Cloned unidirectionally. Primer: Oligo  
 dT. normal lung. Average insert size: 1.0 kb; Uni-ZAP XR  
 Vector; ~5' adaptor sequence: 5' GAATTCGGCACCAG 3' ~3'  
 adaptor sequence: 5' CTCGAGTTTTTTTTTTTTTTTTTTT 3'"

BASE COUNT 68 a 57 c 53 g 70 t  
 ORIGIN  
 1 acaccttccg tggctttact cagctccaga ctctgatact gccacaacat gtcaactgtc  
 61 ctggaggaat taatgcctgg aatactatca cctctaatat agacaaccaa atctgtcaag  
 121 ggcaaaagaa cctttgcaat aacactgggg acccagaaat gtgtcctgag aatggatcct

181 gtgtacctaa tgggccaggt cttttgcagt gtgtttgtcc tgatgggttc catggataca  
241 agtgtatg

//

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1: T64613. ycl2e11.r1 Strata...[gi:673658]

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LOCUS T64613 449 bp mRNA linear EST 20-FEB-1995  
DEFINITION ycl2e11.r1 Stratagene lung (#937210) Homo sapiens cDNA clone  
IMAGE:80492 5', mRNA sequence.  
ACCESSION T64613  
VERSION T64613.1 GI:673658  
KEYWORDS EST.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 449)  
AUTHORS Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B.,  
Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Hawkins  
,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N., Mardis,E., Moore  
,B., Morris,M., Parsons,J., Prange,C., Rifkin,L., Rohlfing,T.,  
Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Trevaskis,E.,  
Underwood,K., Wohldmann,P., Waterston,R., Wilson,R. and Marra,M.  
TITLE Generation and analysis of 280,000 human expressed sequence tags  
JOURNAL Genome Res. 6 (9), 807-828 (1996)  
MEDLINE 97044478  
COMMENT Contact: Wilson RK  
Washington University School of Medicine  
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)  
Insert Size: 600  
High quality sequence stops: 284 Source: IMAGE Consortium, LLNL This  
clone is available royalty-free through LLNL ; contact the IMAGE  
Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
Insert Length: 600 Std Error: 0.00  
Seq primer: M13RP1  
High quality sequence stop: 284.  
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/db\_xref="taxon:9606"  
/clone="IMAGE:80492"  
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/sex="male"  
/dev\_stage="72 years"  
/lab\_host="SOLR cells (kanamycin resistant)"  
/note="Organ: lung; Vector: pBluescript SK-; Site\_1: EcoRI  
; Site\_2: XhoI; Cloned unidirectionally. Primer: Oligo  
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Vector; ~5' adaptor sequence: 5' GAATTCGGCAG 3' ~3'  
adaptor sequence: 5' CTCGAGTTTTTTTTTTTTTTTTTTT 3'"  
BASE COUNT 97 a 103 c 108 g 138 t 3 others

ORIGIN

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1 taacacttgg ggcccagaaa tgtgtcctga gaatggatct tgtgtacctg atgggtccagg
61 tcttttgcag tgtgtttgtg ctgatggttt ccatggatac aagtgtatgc gccagggctc
121 gttctcactg cttatgttct tcgggattct gggagccacc actctatccg tctccattct
181 gctttgggcg acccagcgcc gaaaagccaa gacttcatga actacatagg tcttaccatt
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301 catctttcgc cagtgggatt cgccctcaagg ttgaggncgc ccattgggaa ggatggaaaa
361 attggcactc ccttnggtgt taggacaaat taccagtttc ccatttggnn gtttgttggc
421 ctataaatta aacacttttt tcttttttt
```

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Revised: October 24, 2001.

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1: R76590.yi60c09.r1 Soares...[gi:851239]

[Taxonomy](#), [LinkOut](#)

LOCUS R76590 361 bp mRNA linear EST 06-JUN-1995  
 DEFINITION yi60c09.r1 Soares placenta Nb2HP Homo sapiens cDNA clone  
 IMAGE:143632 5', mRNA sequence.

ACCESSION R76590  
 VERSION R76590.1 GI:851239  
 KEYWORDS EST.  
 SOURCE human.

ORGANISM *Homo sapiens*  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 361)  
 AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,  
 M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,  
 Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,  
 R., Williamson,A., Wohldmann,P. and Wilson,R.

TITLE The WashU-Merck EST Project  
 JOURNAL Unpublished (1995)  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)  
 Insert Size: 719  
 High quality sequence stops: 273  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact the  
 IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
 Insert Length: 719 Std Error: 0.00  
 Seq primer: M13RP1  
 High quality sequence stop: 273.

FEATURES  
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 Location/Qualifiers  
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 /db\_xref="taxon:9606"  
 /clone="IMAGE:143632"  
 /clone\_lib="Soares placenta Nb2HP"  
 /sex="Female"  
 /dev\_stage="placenta obtained at birth (full term)"  
 /lab\_host="DH10B (ampicillin resistant)"  
 /note="Organ: placenta; Vector: pT7T3D (Pharmacia) with a  
 modified polylinker; Site 1: Not I; Site 2: Eco RI; 1st  
 strand cDNA was primed with a Not I - oligo(dT) primer [5'  
 AACTGGAAGAATTTCGCGGCCGAGGAATTTTTTTTTTTTTTTTTTTT 3'],  
 double-stranded cDNA was ligated to Eco RI adaptors  
 (Pharmacia), digested with Not I and cloned into the Not I  
 and Eco RI sites of the modified pT7T3 vector. Library  
 went through one round of normalization. Library



constructed by Bento Soares and M.Fatima Bonaldo. "

BASE COUNT	91 a	89 c	81 g	95 t	5 others
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ORIGIN

```

1 gagaactgtt ctctggagga ccctggtcaa nactttcatc aggcacatac cactgtcatc
61 atagacctgc aagcaaacc cctcaaaggt gacttggcca acaccttcg tggctttact
121 cagctccaga ctctgatact gccacaacat gtcaactgtc ctggaggaat taatgcctgg
181 gaatactatc acctcttata tagacaacca aatctgtcaa ggggcaaaaag aacctttgca
241 ataactactg ggaccagaa atgtgtcctg agaatggatc ttgtgttacc tgatgggtcc
301 cagggtttt tgcagtgtnt tttgtgctga ngggtttccc ntgggttaca agtgttntgc
361 g

```

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Revised: October 24, 2001.

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